

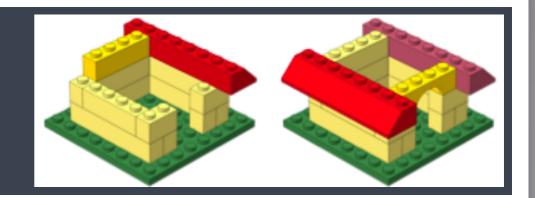
Introduction to Single-cell RNA-seq analysis

Harvard Chan Bioinformatics Core



https://tinyurl.com/hbc-scrnaseq-online

Learning Objectives



- Describe best practices for designing a Single-cell RNA-seq experiment
- ✓ Describe steps in a Single-cell RNA-seq analysis workflow.
- ✓ Use Seurat and associated tools to perform analysis of single-cell expression data, including data filtering, QC, clustering, and marker identification

Useful Resources

Computational packages for single-cell analysis:

http://bioconductor.org/packages/devel/workflows/html/simpleSingleCell.html

https://satijalab.org/seurat/

https://scanpy.readthedocs.io/

https://github.com/seandavi/awesome-single-cell

Online courses:

https://hemberg-lab.github.io/scRNA.seq.course/

https://github.com/SingleCellTranscriptomics

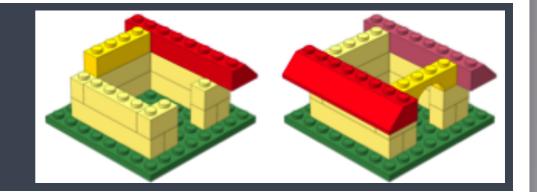
Resources for scRNA-seq Sample Prep:

https://www.protocols.io/

https://support.10xgenomics.com/single-cell-gene-expression/sample-prep

https://community.10xgenomics.com/

Survey



https://tinyurl.com/scRNAseq-online

Thanks!

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Contact us!

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Weight Specification

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